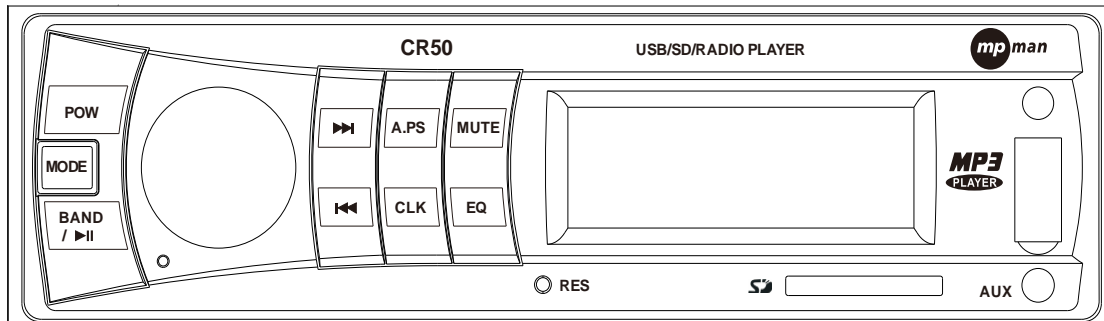




# CR50 USER'S MANUAL

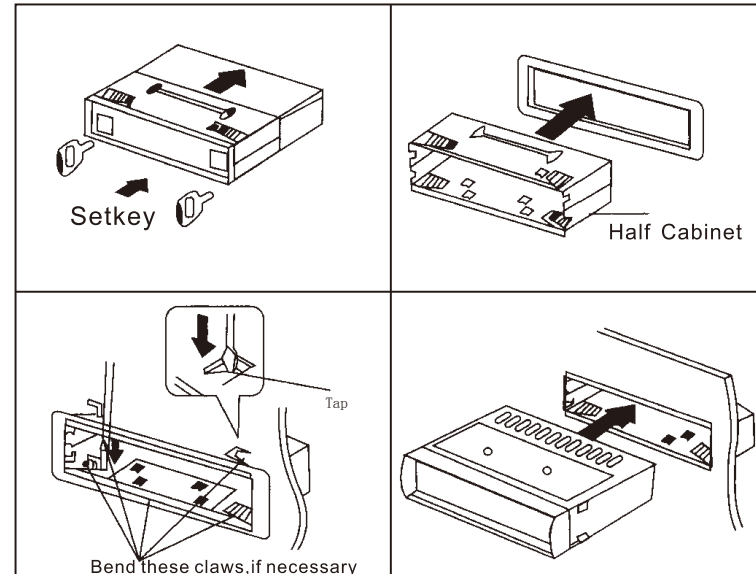
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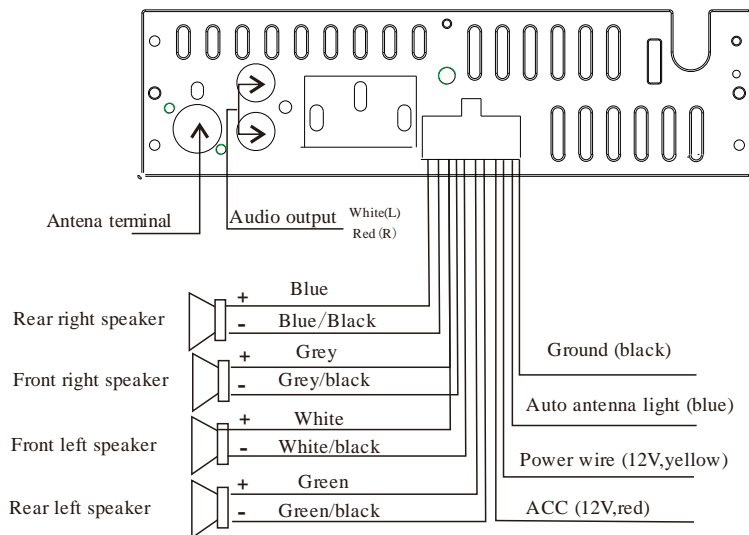
Please read this manual carefully  
before operation!

## Installation Precautions:

- 1.This unit should be installed by professional personnels, if possible.
- 2.Please refer to the instruction manual for electrical application, wrong operation will cause damage to the unit.
- 3.Apply to the power cord after all connections of the unit are set.
- 4.Insulate all exposed wires to avoid short circuit.
- 5.All loosen wires should be fixed after installation.
- 6.Read the application and operating carefully instructions for each part before installation.
- 7.The unit is designed for 12V-15V negative ground operation system only.Make sure your vehicle is connected to such negative ground electrical system.
- 8 .Be sure to connect the unit in exact according to the lead-diagram, otherwise malfunctions or damages would be possible.



# Wiring diagram:



## SPECIFICATIONS:

### FM tuner:

Frequency range:.....87.5-108MHz  
Medium frequency:.....10.7MHz  $\pm 0.3\%$   
Signal/Noise ratio:.....50dB  
Radio sensitivity : .....10dB

### USB/SD:

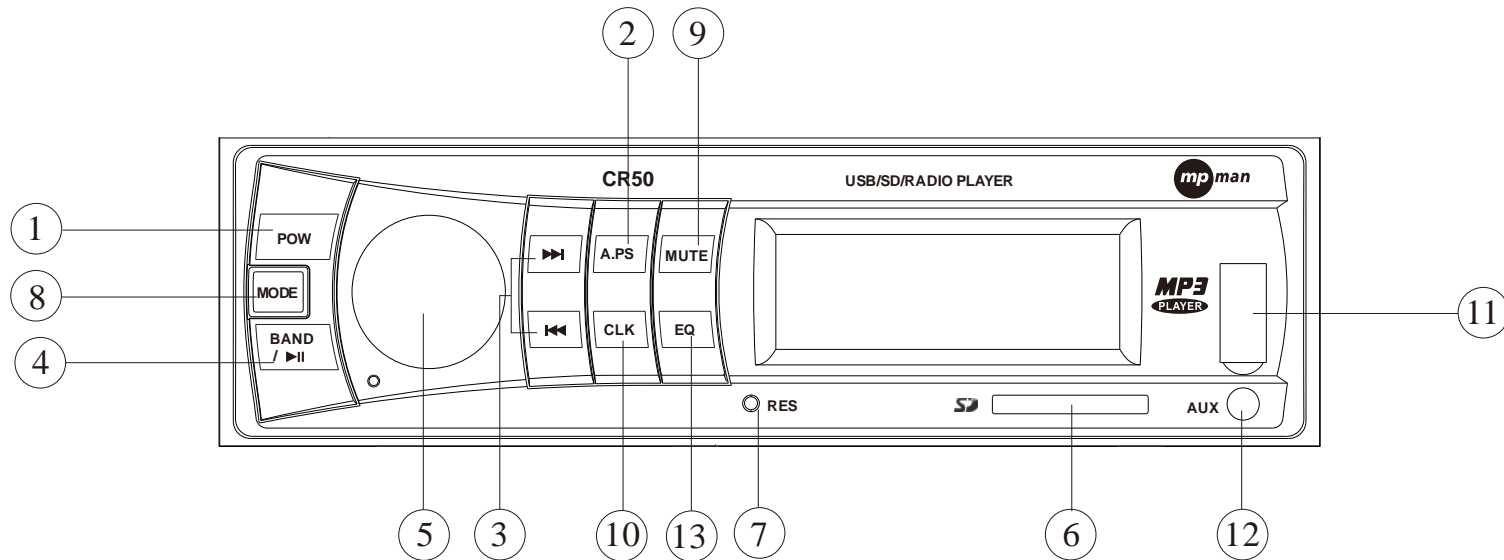
Frequency response:.....20Hz-20KHz  
Signal/Noise ratio:..... >50dB  
T.H.D.....<0.5%(1KHz)

- 1.This unit is applicable to 12V direct-current negative ground electrical system only.
- 2.In order to avoid short circuit, please disconnect the wire connecting terminal of the car storage battery before all applications of the unit are completed.
- 3.Please note that the yellow directing wire is connected to the anode terminal(+) or the BAT terminal.
- 4.Change the fuse, the specifications of the fuse for both the automobile and the unit shall be the same.
- 5.Excellent 4-8 ohm speaker is required for perfect performance.

### Others:

MAX Output Power.....4x45W  
Supply voltage.....12-15VDC minus earth  
Speaker impedance.....4-8 ohm /ch  
Demensions.....177x115x50mm

## Front panel and functions:



1. Power: Power on/off

2. A.P.S:

\*When play USB/SD,short press it to enter track selection,rotate VOL to select track,pres it for playing

\*On radio mode,press it for auto station search and storage.

3.⏮/⏭:

\*When play USB/SD,press it to select previous or next track,hold it for fast forward 10 tracks or fast backward 10 tracks.

\*On radio mode,short press it for manual select stations(with “BAND button to store the stations), hold it for auto stations scanning.

4. BAND / ►|| :

\*When play USB/SD, press it for PAUSE.

\*On radio mode, press it for band conversion among FM1, FM2, FM3, hold it to store the station you've just selected.

5. VOL button: Volume control (rotate the button to adjust it), press the button to select among DH, NON, S7. when play USB/SD, press it to choose the sound effects among "CLASS", "POP", "ROCK"

6. SD card port

7. RESET: Reset button

8. MODE: Press it for mode conversion.

9. MUTE: press it for mute

10. CLK: Press it to show the time, hold it to adjust it, with VOL+, VOL- to adjust the time. Press "SEL" for back to the menu.

11. USB port

12. AUX (external signal input)

13. EQ: Press it to choose the sound effects among "CLASS", "POP", "ROCK".

# WARNINGS:

- ★ SHOULD ANTENNA LINE (BLUE ONE) BE GROUNDED OR WRONGLY CONNECTED, THE WHOLE UNIT WOULD BURN OUT OR FAIL TO TURN ON.
- ★ SHOULD POWER LINE (YELLOW ONE) BE GROUNDED OR WRONGLY CONNECTED, THE WHOLE UNIT WOULD BURN OUT OR FAIL TO TURN ON OR LIGHT OUT.
- ★ SHOULD MEMORY LINE (RED ONE) BE WRONGLY CONNECTED, THE WHOLE UNIT WOULD BURN OUT OR FAIL TO TURN ON OR LIGHT OUT.
- ★ THE SPEAKERS SHOULD BE CORRECTLY WIRED, OTHERWISE, THE SPEAKER AND THE AMPLIFIER IC WOULD BURN OUT OR SOUNDLESS.